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From: Commanding Officer, Engineering Field Activity, West, Naval Facilities Engineering Command

To: Distribution

Subj: MONTHLY PROGRESS REPORT FOR APRIL 1996 ENGINEERING FIELD ACTIVITY, WEST, NAVAL FACILITIES ENGINEERING COMMAND, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

Encl: (1) April 1996 Monthly Progress Report (MPR)

1. Enclosure (1) is forwarded for your information.
2. If you have any questions, please contact the undersigned at (415) 244-2655.

~~Original signed by~~

RICHARD E. POWELL
By direction of
the Commanding Officer

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ACTIVITY, WEST, NAVAL FACILITIES ENGINEERING COMMAND, HUNTERS
POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

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**INSTALLATION RESTORATION PROGRAM
MONTHLY PROGRESS REPORT**

APRIL 1996

**NAVAL FACILITIES ENGINEERING COMMAND
HUNTERS POINT SHIPYARD***

1. PROGRESS DURING THE REPORT PERIOD

The following activities were accomplished during the report period:

- **Field Work:** Remedial investigation fieldwork has been completed for Parcels B and C with the exception of (1) surveying of monitoring wells in Parcel C which is underway, and (2) potential step-out borings/wells in Parcel C, which will be selected pending on analytical results from recently completed borings.

The field work in Parcels D and E continued. Remedial investigation fieldwork has been completed for Parcels D and E with the exception of sampling of those monitoring wells with less than three rounds of samples collected. These monitoring wells will have at least three rounds of sampling by the month of May. The draft final field sampling plan for the proposed activities at the three formerly used defense sites (FUDS) in Parcel E was completed and will be submitted to the agencies for review during the month of May. A list of proposed surface soil samples to be collected in the burn areas of Parcel E was prepared. All of the outstanding Parcel E fieldwork is expected to be completed by June 1996.

Several buildings in Parcels B, C and D may pose a risk regarding inhalation of vapors due to solvents in the underlying soils. To determine the actual risk, an air sampling program was prepared to be conducted concurrently with the ongoing field work. Air samples were taken inside the buildings with one set of samples taken at the breathing level of occupants and one set of air flux samples taken beneath the existing building floor. A total of 11 sample locations in 8 buildings in Parcels B, C, and D were sampled in February 1996. The air data is currently being analyzed to evaluate potential risks and will be reported in the parcel-specific remedial investigation reports.

- The offshore sampling supporting the Phase 1B Ecological Assessment was completed on February 14, 1996. All bioassays have been completed and validated; chemical analyses are completed and validation is con-going with completion expected by May 1996. Field sampling and analysis of the sediment and pore water samples has been completed. The completion of the tissue sample analysis will be completed in the first week in May. The analysis and presentation of this data is currently being planned.

- **Parcel A:** The process of preparing the environmental documents required for the transferring of Parcel A from the Navy to the City of San Francisco continues on schedule. The last requirement for the finalization of the Parcel A Record of Decision (ROD) consists of a formal notification in the local newspaper announcing the signing of the document and its availability to the public. The notification was published March 10, 1996.

The next step in the transfer process consists of the preparation of the Environmental Baseline Survey (EBS) and Finding of Suitability to Transfer (FOST) documentation, along with the preparation of the Environmental Impact Statement/Report (EIS/EIR). The scoping meeting for the preparation of the Parcel A EBS/FOST documentation was held on March 26, 1996. It was determined that a Parcel A-Specific EBS was not necessary. The draft Parcel A FOST is due to the agencies for review in early June.

Clean out of the Parcel A storm drains has been completed. The analytical results have been evaluated. The Parcel A Storm Water Monitoring Report will be distributed to the regulatory agencies for information in May 1996.

The final item concerning Parcel A consists of the preparation of a Notice of Well Abandonment of those monitoring wells installed during the RI. The Navy prepared the Notice of Well Abandonment for Parcel A and obtained concurrence to proceed from EPA, DTSC, RWQCB, and the City of San Francisco. During the month of April, the Navy implemented the abandonment of six monitoring wells in Parcel A.

- **RI Reports:** The preparation of the Draft Final Parcel B RI Report continued during the month of April. The Draft Final Parcel B RI Report was originally scheduled for submittal on May 1, 1996. However, in order to respond to public comments, the Navy extended the period to respond to comments. The Draft Final Parcel B RI Report is now scheduled to be delivered to the regulatory agencies on June 3, 1996. Progress is ongoing in the preparation of the Parcels D, C, and E RI reports. The Draft Parcel D RI Report is due to the agencies for review of June 28, 1996.
- **FS Reports:** The preparation of the Draft Parcel B feasibility study (FS) Report continued during the month of April. On April 2, 1996, a meeting between the Navy, Agencies, and PRC was held to determine the Parcel B sites that will be evaluated in the FS report. The Draft Parcel B FS Report was originally due to the agencies for review on May 1, 1996. Based on the need to incorporate suggestions from the agencies given at the April 2 meeting and to integrate the RI report, the Navy has requested concurrence from the agencies that the Federal Facility Agreement (FFA) submittal date be delayed 30 days to June 3, 1996. However, to keep on schedule, the agreed upon FFA delivery date for the Draft Final Parcel B FS Report stays the same..
- **Air Monitoring:** The Navy received EPA's comments on the draft Phase II Air Monitoring Report. The Navy is currently addressing the agencies' comments. Included with the responses to comments will be the proposed building specific air sampling locations to complete the RI fieldwork. The draft final is expected to be submitted in May 1996.

- **Removal Actions:**

Pickling and Plate Yard (IR-9): This removal action was completed by Public Works Center San Francisco Bay (Public Works). A jobsite walk through was conducted by representatives from EFA West, Navy Public Works, and the Navy's contractors on March 19, 1996. During the walk through, it was noticed that three monitoring wells inside the pickling and plate yard were damaged during the removal action. These monitoring wells will be repaired. On March 27, 1996, representatives from the Navy, EPA, DTSC, RWQCB and the Navy's consultants visited the jobsite during a limited site inspection of the shipyard. The Navy has started the preparation of the Draft Construction Summary Report.

Exploratory Excavations: This work is being performed by PRC Environmental Management Inc. (PRC). PRC submitted for Navy review the Draft Exploratory Excavation Action Memorandum on April 18, 1996. This document included changes to the Draft Final Exploratory Excavation Engineering Evaluation/Cost Analysis (EE/CA).

The public comment period for the Draft Final Exploratory Excavation EE/CA ran from March 18 through April 16, 1996. On April 16, the Navy received comments from Ms. Amy Brownell (City and County of San Francisco). These were the only comments received. A responsiveness summary will be prepared and then incorporated into the Action Memorandum.

Groundwater Plumes: This work is being performed by PRC. During the February 7, 1996 meeting, the BCT agreed to pursue the Parcel E groundwater removal action and stop work on the Parcels B and C groundwater plume EE/CAs. Work performed in preparing the Parcels B and C groundwater plume EE/CAs will be folded into the Parcels B and C Feasibility Study. PRC submitted the Draft IR 1/21 Groundwater EE/CA (Parcel E EE/CA) on March 21, 1996. The document incorporated comments received from the regulatory agencies during the January 30 and February 7 meetings during which PRC presented the project. During the month of April, comments from DTSC, U. S. Environmental Protection Agency (EPA), and the Regional Water Quality Control Board (RWQCB) were received on the Draft IR-1/21 Groundwater EE/CA.

A draft version of the implementation work plan has been initiated and is undergoing an internal review. The implementation work plan, which will be used by the remedial action contractor (RAC), IT Corporation, is divided into two phases. Phase 1 is written in the form of a statement of work and cover the preliminary tasks such as surveying and cone penetrometer testing to investigate subsurface conditions along the proposed alignment of the sheet pile wall. Phase 2 is an abbreviated performance specifications and will cover the remainder of the work.

Removal of Contaminated Soils and Floating Product at IR-3: This work is being performed by PRC and Levine-Fricke. The Draft IR-3 EE/CA was submitted for regulatory agency review on April 19, 1996. Comments are expected by May 23, 1996.

Proposed Repair of the Storm Drains and Removal of Sediments: This work is being performed by PRC and IT Corporation. The field work was conducted in mid-January 1996 for this removal to determine storm drain system reaches with potential for infiltration of contaminated groundwater. The Draft Storm Drain EE/CA was submitted to the regulatory agencies for review on April 5, 1996. Comments are expected by May 6, 1996.

Tank Farm (IR-6) Removal: This work is being performed by Navy's public Works Center. The Navy submitted to the agencies for review the Draft EE/CA in early December. Agency comments were provided in January. The Navy provided final response to comments on April 16, 1996.

Sediment Removal at Dry dock 4: This work is being performed by Mare Island Shipyard (MINS). Additional sampling was conducted in February to perform the modified WET tests for bay water exposure. Preliminary results indicate low to non-detected concentrations on most metals.

- **Ecological Risk Assessment Phase 1B:** The Draft Preliminary Assessment (PA) Parcel F Report was submitted for review to the agencies on February 22, 1996. The Navy is awaiting responses from the regulatory agencies. Also, see Field Work for progress on the ecological sampling effort.
- **Radiation Issues:** (1) The low-level radioactive waste storage bin in Building 130 was manually ventilated to reduce the radon gas concentration. This is an ongoing monthly activity. (2) The Navy has prepared an abbreviated feasibility study to evaluate the alternatives, costs, public perception, and other factors associated with the removal of radium dials in the landfill. This document was submitted to the regulatory agencies for input on April 30, 1996. (3) The Navy is currently finalized the Draft Final Results of the Subsurface Radiation Investigation In Parcels B and E Report. It is expected to be submitted in May 1996. (4) The Navy is preparing a technical memorandum that will address the tidal area surrounding IR-2. This technical memorandum is currently undergoing Navy's internal review and is expected to be submitted to the regulatory agencies for review in May 1996. (5) On March 21, 1996, the regulatory agencies agreed to the release of 82 drums and 2 bins of IDW from IR-7 and IR-18 based on the determination that the radioactivity measured was the result of the naturally occurring radiation material. As a result of this decision, the number of drums to be screened by the Navy's radiation contractor has undergone a change in scope.
- **Community Relations:** The Draft Revised Community Relations Plan (CRP) was submitted to the agencies for review on February 14, 1996. At the request of the EPA, four additional questionnaires have been distributed to community members for inclusion in the draft final CRP. EPA requested an extension of the review period. The only comments the Navy has received to date is EPA's comments which were received on March 29, 1996.
- **PCB Occurrences:** EPA expressed some concern regarding the widespread occurrence of polychlorinated biphenyls (PCB) at low levels site wide. The Navy is reviewing a response that evaluates locations with PCB concentrations that exceed 1 mg/kg to determine an appropriate response action. This document is being reviewed by the Navy to ensure that any additional work is incorporated in the ongoing remedial investigation, and will be subsequently be distributed to the agencies.

2. REPORTS SUBMITTED AND MEETINGS

Meetings

- The BCT/remedial project manager meetings took place on April 2 and 18, 1996.
- The Navy met at CMT meeting on April 11, 1996.
- A RAB meeting was held on April 24, 1996.
- On April 1, 1996, a meeting was held between the Navy, PRC, the remedial action contractor (RAC), IT Corporation, and Business Development, Inc. (BDI) to discuss community interface in regards to subcontracting opportunities.

Submittals

- Final Groundwater Monitoring Plan was submitted for Navy's distribution on April 3, 1996. Scope for CLEAN II CTO will be developed in May 1996 based on agency comments.
- Draft Storm Drain EE/CA was submitted for agency review on April 5, 1996.
- Preliminary Draft Exploratory Excavation Action Memorandum was submitted for Navy review on April 18, 1996. Draft expected for agency review in mid-May 1996.
- Draft IR-3 Floating Product in Parcel E EE/CA was submitted for agency review on April 19, 1996.
- Technical Memorandum on Cleanup of Radium Dials in Parcel E was distributed for agency review on April 30, 1996.

3. PROBLEMS ENCOUNTERED AND RESOLUTIONS

- **Offsite Access for RI Work:** The Navy completed the drilling and sampling of the four borings near IR-18. The Draft Final Parcel B RI Report will report the findings. If additional work is required it will be reported in later documents.
- **Waste Management:** The revised schedule for this additional work and subsequent disposal is currently being prepared by EFA WEST and RASO.
- **Agency Requests for Full Radiation Documentation:** The delivery of the Draft Final Phase III Radiation Investigation Workplan has been delayed due to the agency requests for complete historical documentation. The delivery date is pending guidance from RASO and a discussion with the regulatory agencies.

- **Petroleum-only Sites at HPS:** The Navy has started the identification of installation restoration sites within Parcels B through E that contain (a) petroleum-only constituents (non-CERCLA hazardous substances) in soils; (b) petroleum constituents with CERCLA substances in soils below screening levels; (c) CERCLA substances in soils above screening levels; and (d) sites that require no further action. The purpose is to identify petroleum-only issues from CERCLA issues for administrative purposes.
- **Scope of the Basewide RI Report:** The scope of a Basewide RI report and potential Basewide ROD are under discussion between the Navy and the BCT.
- **Hunters Point Shipyard Groundwater Levels (HGAL):** The Navy is in the process of developing the HGALs, on a basewide basis, for naturally occurring metals that have a maximum contaminant level (MCL), U.S. EPA Region 9 tap water preliminary remediation goal (PRG), or National Ambient Water Quality Criteria (NAWQC). The purpose of establishing HGALs is to have an ambient value for each naturally occurring metal in the HPS A-Aquifer groundwater to compare against detected metals in A-Aquifer groundwater from monitoring wells. PRC is in communication with DTSC to formulate the methodology for the development of the HGALs.

4. **REPORTS AND ACTIVITIES FOR MAY 1996**

Documents Scheduled for May 1996 Submittal

- Draft Final Phase 2 Air Sampling Report
- Draft OU-II Monitoring Annual Report
- Draft Storm Drain Sediment Removal Implementation Work Plan
- Draft IR-1/21 Groundwater Removal Implementation Work Plan
- Draft Final Revised Community Relations Plan
- Draft Final Installation Specific Quality Assurance Project Plan Elements
- Final Preliminary Assessment of Parcel F Report
- Draft Final Phase III Radiation Investigation Field Work Plan
- Draft Final Field Sampling Plan for the Formerly Used Defense Sites (FUDS)
- Draft Final Results of the Phase II Radiation Investigation In Parcels B and E Report
- Parcel A Storm Drain Monitoring Report
- Preliminary Draft (for internal Navy review) Construction Summary Report for the Pickling and Plate Yard Removal Action

- Review of PCB Occurrences in Soil and Groundwater Technical Memorandum
- Filtered vs. Unfiltered Groundwater Sampling Report

Activities Planned for May 1996

- **Field Investigations:** Continue with the implementation of the RI field work for all Parcels. Tasks include drilling, surveying, monitoring well installation, management of investigation derived waste and others.
- **Removal actions:** Continue work at Dry Dock 4 and IR-6. Continue with the preparation of the documentation for upcoming removal actions.
- **Meetings:** Attend scheduled BCT/RPM meetings scheduled for May 7 and May 21, 1996. Attend RAB meeting scheduled for May 22, 1996. Attend CMT meeting scheduled for May 9, 1996.
- **Radiation Issues:** Prepare the screening of NRDL sites. Continue the radiation-related waste management activities.
- **RI Reports:** Continue the preparation of the Parcels B, C, D and E RI reports.
- **BCT Activities:** Prepare for the monthly BCT/RPM meeting.
- **CRP Activities:** Present poster session on the Exploratory Excavation EE/CA. Also present the general process for the preparation of a feasibility study at the next RAB meeting scheduled on May 22, 1996.

5. KEY PERSONNEL CHANGES

- **PRC:** Jason Brodersen replacing Barney Popkin as the Parcel C RI Manager. Mr. Popkin will continue to provide technical assistance for the HPS project.
- **Navy:** Luann Tetirick, new Navy RPM, will be responsible for the management of Parcel C, Dry Dock 4, and Petroleum Corrective Action Plans.

6. PERCENTAGE OF PROJECT COMPLETION

To better provide information regarding the project activities, this section will be reorganized in a subsequent monthly progress report. This reorganization will consist of restructuring the listing of activities based tasks such as report preparation, fieldwork, and associated activities and their status.

ACTIVITY/DELIVERABLE**STATUS****PARCEL B****RI Work (Excluding Site Assessment Sites)**

- RI Sampling 100%
- RI Lab Analysis/Data Validation 100%
- RI Data Management/Interpretation 100%

RI Work at Site Assessment Sites

- RI Sampling 100%
- RI Lab Analysis/Data Validation 90%
- RI Data Management/Interpretation 90%

RI Work (Including Site Assessment Sites)

- Draft RI Report 100%
- Draft Final RI Report 30%

PARCEL C/DRY DOCK NO. 4**RI Work (Excluding Site Assessment Sites)**

- RI Sampling 100%
- RI Lab Analysis/Data Validation 100%
- RI Data Management/Interpretation 98%

RI Work at Site Assessment Sites

- RI Sampling 100%
- RI Lab Analysis/Data Validation 80%
- RI Data Management/Interpretation 75%

RI Work (Including Site Assessment Sites)

- Draft RI Report 10%
- Draft Final RI Report 6%

ACTIVITY/DELIVERABLE**STATUS****PARCEL D****RI Work (Excluding Site Assessment Sites)**

- RI Sampling 100%
- RI Lab Analysis/Data Validation 100%
- RI Data Management/Interpretation 100%

RI Work at Site Assessment Sites

- RI Sampling 70%
- RI Lab Analysis/Data Validation 55%
- RI Data Management/Interpretation 40%

RI Work (Including Site Assessment Sites)

- Draft RI Report 30%
- Draft Final RI Report 0%

PARCEL E**RI Work (Excluding Site Assessment Sites)**

- RI Sampling 100%
- RI Lab Analysis/Data Validation 100%
- RI Data Management/Interpretation 95%

RI Work At Site Assessment Sites

- RI Sampling 50%
- RI Lab Analysis/Data Validation 30%
- RI Data Management/Interpretation 20%

RI Work (Including Site Assessment Sites)

- Draft RI Report 5%
- Draft Final RI Report 0%

ACTIVITY/DELIVERABLE**STATUS****REMOVAL ACTIONS/FACILITY-WIDE INVESTIGATIONS****Removal Actions****Pickling & Plate Yard, IR-9**

- Implementation of Removal Action at Pickling and Plate Yard, IR-9 100%
- Draft Summary Report of Removal Actions at Pickling and Plate Yard, IR-9 70%
- Draft Final Summary Report of Removal Actions at Pickling and Plate Yard, IR-9 0%

Soil at IR-6, Tank Farm

- Implementation of Removal Action of Soil and Free Product in Soil at IR-6 20%
- Draft Summary Report of Removal Action of Soil and Free Product in Soil at IR-6 0%
- Draft Final Summary Report of Removal Action of Soil and Free Product in Soil at IR-6 0%
- Soil Sampling for Bioremediation Bench Scale Study 100%

Sandblast Grit Recycling

- Implementation of Sandblast Grit Recycling at OU I 100 %
- Draft Summary Report of Sandblast Grit Recycling at OU I 100 %
- Draft Final Summary Report of Sandblast Grit Recycling at OU I 0 %

EE/CA

- Draft EE/CA for Storm Drain System 75%
- Draft Final EE/CA for Storm Drain System 5%
- Draft EE/CA for Floating Products in IR-3 75%
- Draft Final EE/CA for Floating Products in IR-3 0%
- Draft EE/CA for Groundwater Plume in Parcel E 100%
- Draft Final EE/CA for Groundwater Plume in Parcel E 0%


ACTIVITY/DELIVERABLE**STATUS**

- Draft EE/CA for Exploratory Excavations 100%
- Draft Final EE/CA for Exploratory Excavations 100%

Facility-wide Investigations

- Draft Phase II Air Sampling Report 95%
- Ecological Risk Assessment Phase IB Implementation 55%
- Quarterly Groundwater Monitoring Implementation (OU II sites) 97%
- Draft Facility-wide Quarterly Groundwater Monitoring Work Plan 100%
- Draft Facility-wide Quarterly Groundwater Monitoring Work Plan Implementation 0%

* During the month of April, Hunters Point Annex (HPA) officially became Hunters Point Shipyard (HPS)



RICHARD POWELL
LEAD REMEDIAL PROJECT MANAGER

5-15-96
DATE